

**United States Department of Agriculture
Agricultural Marketing Service, Science & Technology
Pesticide Data Program**

SOP No.: PDP-QC-13 Bananas		Page 1 of 6
Title: Commodity Specific Requirements for Bananas		
Revision: 3	Replaces: 01/01/06	Effective: 04/01/06

1. Purpose:

To provide a listing of PDP identified required compounds for bananas.

2. Scope:

This standard operating procedure (SOP) shall be followed by all laboratories analyzing bananas for PDP. This SOP shall be used in conjunction with QC-13 which specifies procedures for selecting marker compounds and process controls and identifies PDP commodity groupings.

3. References:

- PDP Program Plan, January through June 2006
- USDA/AMS PDP Quality Assurance(QA)/Technical Meeting, February 21-22, 2001
- PDP Federal/State Meeting, October 31 – November 2, 2000
- Pesticide Chemical News Guide (PCNG)
- PDP 2000-2001 Program Planning Meeting, April 26, 2000
- SOP PDP-QC-13, “Required Compounds, Marker Pesticides, Process Control Compounds, and PDP Commodity Groupings”

4. Specific Procedures:

This SOP represents minimum PDP requirements and is presented as a general guideline. Each laboratory shall have written procedures that provide specific details concerning how the procedure has been implemented in that laboratory.

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Compounds Required for Banana Multiresidue Screens

Banana Compound	Reported As	Pest Code	Priority
1-Naphthol		382	2
3-Hydroxycarbofuran		513	2
5-Hydroxythiabendazole ¹		B28	3
Acephate		204	1
Acibenzolor-S-methyl ¹		B51	3
Aldrin		001	3
Ametryn		156	2
Azoxystrobin		ACX	2
Bendiocarb		658	2
Bifenthrin		930	1
Bitertanol ¹		850	2
Buprofezin		B52	3
Cadusafos		953	1
Carbaryl		102	2
Carbendazim (MBC) ¹		666	4
Carbofuran		180	2
Carfentrazone ethyl		B21	4
Chlordane	Chlordane-cis and/or	173	3
	Chlordane-trans or	172	
	Chlordane (total)	014	
Chlorothalonil		164	3
Chlorpyrifos		160	1
Cyfluthrin		781	1
Cyhalothrin	Cyhalothrin, lambda and	AEM	1
	Cyhalothrin, R157836 epimer or	AEL	
	Cyhalothrin, total (L-cyhalothrin+R157836 epimer)	AEL	
Deltamethrin (includes parent tralomethrin)		612	1

¹ Required only on samples received by FL1 from CO, FL, MI, NY, OH, TX, WA, and WI. Analysis by CA1 on samples received from CA and MD is not required.

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Banana Compound	Reported As	Pest Code	Priority
Diazinon		024	1
Diazinon O-analog		395	1
Dichlorvos		338	1
Dieldrin		028	3
Difenoconazole ¹		ABK	2
Diquat ¹		527	4
Diuron		032	3
Esfenvalerate/Fenvalerat	Fenvalerate + Esfenvalerate	ADE	1
e			
Ethoprop		175	1
Fenamiphos		236	1
Fenamiphos sulfone		745	1
Fenamiphos sulfoxide		746	1
Fenarimol		271	3
Fenbuconazole		A30	2
Fosetyl-Al ¹			4
Fonofos		163	1
Glufosinate ammonium ¹			4
Glyphosate ¹		653	4
Hexaconazole		954	2
Hydroprene ¹		AEC	4
Imazalil		604	2
Imidacloprid		967	2
Mancozeb ¹		128	4
Maneb ¹		053	4
Methamidophos		170	1
Myclobutanil		679	2
Oxamyl		537	2
Oxamyl oxime		A47	2
Oxyfluorfen		713	3
Paraquat ¹		150	4
Phosphine ¹		286	4
Prallethrin		ADC	1
Propetamphos		636	1

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Banana Compound	Reported As	Pest Code	Priority
Propiconazole		264	2
Pyraclostrobin		AFG	2
Pyrimethanil		B16	3
Pyriproxyfen		B24	3
Resmethrin	Resmethrin cis and/or	AEJ	1
	Resmethrin trans or	AEK	
	Resmethrin (total)	556	
Simazine		149	2
Spiroxamine ¹			4
Sulfosate (Sulfonium) ¹			4
Tebuconazole		A58	2
Terbufos		205	1
Terbufos sulfone		963	1
Thiabendazole		157	3
Triadimenol		638	2
Tridemorph ¹		795	4
Trifloxystrobin		ADQ	2

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3/29/06

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Revision 3

January 2006

Monitoring Programs Office

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- Removed CA1 testing requirements for 5-hydroxythiabendazole, acibenzolor-S-methyl, bitertanol, carbendazim, difenoconazole, diquat, fosetyl-Al, glufosinate ammonium, glyphosate, hydroprene, mancozeb, maneb, paraquat, phosphine, spiroxamine, sulfosate, and tridemorph